

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A disc carrier assembly for a spindle motor for an optical disc drive, the disc carrier assembly comprising:

a rotor including an end wall and a peripheral wall, a permanent ring magnet being fixed to an inner periphery of the peripheral wall, the end wall having a central hole[.]; and

a disc carrier including a main plate having an inner side and an outer side, the inner side of the main plate being in intimate contact with the end wall of the rotor, the main plate including an engaging portion on the inner side thereof, the engaging portion including an axial hole through which a shaft is securely extended, allowing an annular groove for securely receiving a peripheral wall portion delimiting the central hole of the end wall of the rotor, allowing joint rotation of the disc carrier and the rotor,

wherein the main plate further includes an annular wall formed on the outer side thereof, the annular wall surrounding the axial hole and defining a receiving compartment, the main plate further including a metal washer and a magnetic ring securely received in the receiving compartment, the metal washer being mounted around an end of the shaft and sandwiched between the magnetic ring and the upper side of the main plate.

2. (Original) The disc carrier assembly as claimed in claim 1, wherein the central hole of the end wall of the rotor and the annular groove of the disc carrier are non-circular.

3. (Canceled)

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4. (Original) The disc carrier assembly as claimed in claim 1, wherein the disc carrier and the rotor are integrally formed as a one-piece member.

5. (Original) The disc carrier assembly as claimed in claim 1, wherein the end wall of the rotor further includes a stepped portion along a periphery thereof, the main plate including an annular rib formed on the inner side thereof for engaging with the stepped portion of the end wall of the rotor.

6. (Original) The disc carrier assembly as claimed in claim 2, wherein the end wall of the rotor further includes a stepped portion along a periphery thereof, the main plate including an annular rib formed on the inner side thereof for engaging with the stepped portion of the end wall of the rotor.

7. (Canceled)